

Name(s) of Risk Team Members: T. Nehring, J. Sandberg and A. Etkin			Point Value → Parameter ↓		1	2	3	4	5				
Area/Facility Description Title: Collider-Accelerator Department Area/Facility # (if applicable): Area-Wide FRA 25-06			Occupancy or Use (A)		≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift				
Area/Facility Description: Area-Wide Locked Electrical Rooms and Locked Electrical Cages			Severity (B)		First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability				
			Likelihood (C)		Extremely Unlikely	Unlikely	Possible	Probable	Multiple				
Approved by: <i>E. Lessard</i> Date: 5/12/2006 Rev.#: 0													
Reason for Revision (if applicable):							Comments:						
					Before Additional Controls				After Additional Controls				
Physical Item or Activity	Hazard(s)	Control(s)	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	Control(s) Added to Reduce Risk		Occupancy A	Severity B	Likelihood C	Risk* AxBxC	% Risk Reduction
Electrical Caged Area/ Rooms (With Exposed Parts)	Electrical shock	Locked areas, procedures, electrical safety training, control zones (e.g. signs and barriers), work permits, job safety analysis, LOTO, safety watch, energized work permits, equipment design review, scheduled maintenance of equipment, fire rescue response, EMTs, work planning, PPE C-AD management has implemented requirements and mechanisms to meet PPE requirements identified in NFPA 70E as of December 22, 2004. Enhanced PPE requirements established April 2006. Implementation of a plan to meet OSHA’s NRTL requirements began June 1, 2005.	2	4	2	16							
Electrical Caged Area/ Rooms (With Exposed Parts)	Electrical arcing	Locked areas, procedures, electrical safety training, control zones (e.g. signs and barriers), work permits, job safety analysis, LOTO, safety watch, energized work permits, equipment design review, scheduled maintenance of equipment, fire rescue response, EMTs, work planning, PPE C-AD management has implemented requirements and mechanisms to meet PPE requirements identified in NFPA 70E as of December 22, 2004. Enhanced PPE requirements established April 2006. Implementation of a plan to meet OSHA’s NRTL requirements began June 1, 2005.	2	4	2	16							
Walking surface areas (With Exposed Parts)	Falls at the same level	Maintenance of walkways and landings	2	3	3	18							

Electrical Caged Area/ Rooms (Substations)	Electrical shock	Locked areas, procedures, electrical safety training, control zones (e.g. signs and barriers), work permits, job safety analysis, LOTO, safety watch, energized work permits, equipment design review, scheduled maintenance of equipment, fire rescue response, EMTs, work planning, PPE C-AD management has implemented requirements and mechanisms to meet PPE requirements identified in NFPA 70E as of December 22, 2004. Enhanced PPE requirements established April 2006. Implementation of a plan to meet OSHA’s NRTL requirements began June 1, 2005.	2	4	2	16					
Electrical Caged Area/ Rooms (Substations)	Electrical arcing	Locked areas, procedures, electrical safety training, control zones (e.g. signs and barriers), work permits, job safety analysis, LOTO, safety watch, energized work permits, equipment design review, scheduled maintenance of equipment, fire rescue response, EMTs, work planning, PPE C-AD management has implemented requirements and mechanisms to meet PPE requirements identified in NFPA 70E as of December 22, 2004. Enhanced PPE requirements established April 2006. Implementation of a plan to meet OSHA’s NRTL requirements began June 1, 2005.	2	4	2	16					
Walking surface areas (Substations)	Falls at the same level	Maintenance of walkways and landings	2	3	3	18					
Further Description of Controls Added to Reduce Risk:											
*Risk:	0 to 20	21 to 40	41-60		61 to 80		81 or greater				
	Negligible	Acceptable	Moderate		Substantial		Intolerable				